

# INTERNATIONAL SEARCH REPORT

International Application No  
PCT/DE2004/002008

**A. CLASSIFICATION OF SUBJECT MATTER**  
IPC 7 F15B11/16 F15B21/08

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 F15B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 0 587 902 A (HITACHI CONSTRUCTION MACHINERY CO., LTD) 23 March 1994 (1994-03-23) column 6, line 56 - column 7, line 11	1,2,5-8
Y	column 17, line 48 - column 18, line 5 figure 7	4,9
Y	EP 0 796 952 A (SHIN CATERPILLAR MITSUBISHI LTD) 24 September 1997 (1997-09-24) Siehe Rückschlagventil 212 page 11, line 21 - line 33; figure 5	4
Y	WO 93/01417 A1 (DANFOSS A/S) 21 January 1993 (1993-01-21) page 2, paragraph 3 - page 3, paragraph 1	9
A	page 7, paragraph 3 ----- -/--	3

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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Date of the actual completion of the international search

26 January 2005

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02/02/2005

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	EP 0 972 138 B (MANNESMANN REXROTH AG; BOSCH REXROTH AG) 2 May 2003 (2003-05-02) cited in the application figure 1	1,6
A	DE 100 27 382 A1 (ROBERT BOSCH GMBH) 6 December 2001 (2001-12-06) cited in the application figure 3	1,6
A	ESDERS H: "ELEKTROHYDRAULISCHES LOAD-SENSING FÜR DIE MOBILHYDRAULIK" OLHYDRAULIK UND PNEUMATIK, VEREINIGTE FACHVERLAGE, MAINZ, DE, vol. 38, no. 8, January 1994 (1994-01), pages 473-478,480, XP000195316 ISSN: 0341-2660 cited in the application abstract; figure 1	1,6
A	EP 0 275 969 A (HYDROMATIK GMBH) 27 July 1988 (1988-07-27) cited in the application column 4, line 39 - line 42; figure 3	1,6
A	DE 35 46 336 A1 (MANNESMANN REXROTH GMBH; MANNESMANN REXROTH GMBH, 8770 LOHR, DE) 2 July 1987 (1987-07-02) cited in the application abstract; figure 1	1,6
A	DE 36 44 736 A1 (MANNESMANN REXROTH GMBH; MANNESMANN REXROTH GMBH, 97816 LOHR, DE) 14 July 1988 (1988-07-14) cited in the application abstract; figure 1	1,6

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Information on patent family members

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Form PCT/ISA/210 (patent family annex) (January 2004)